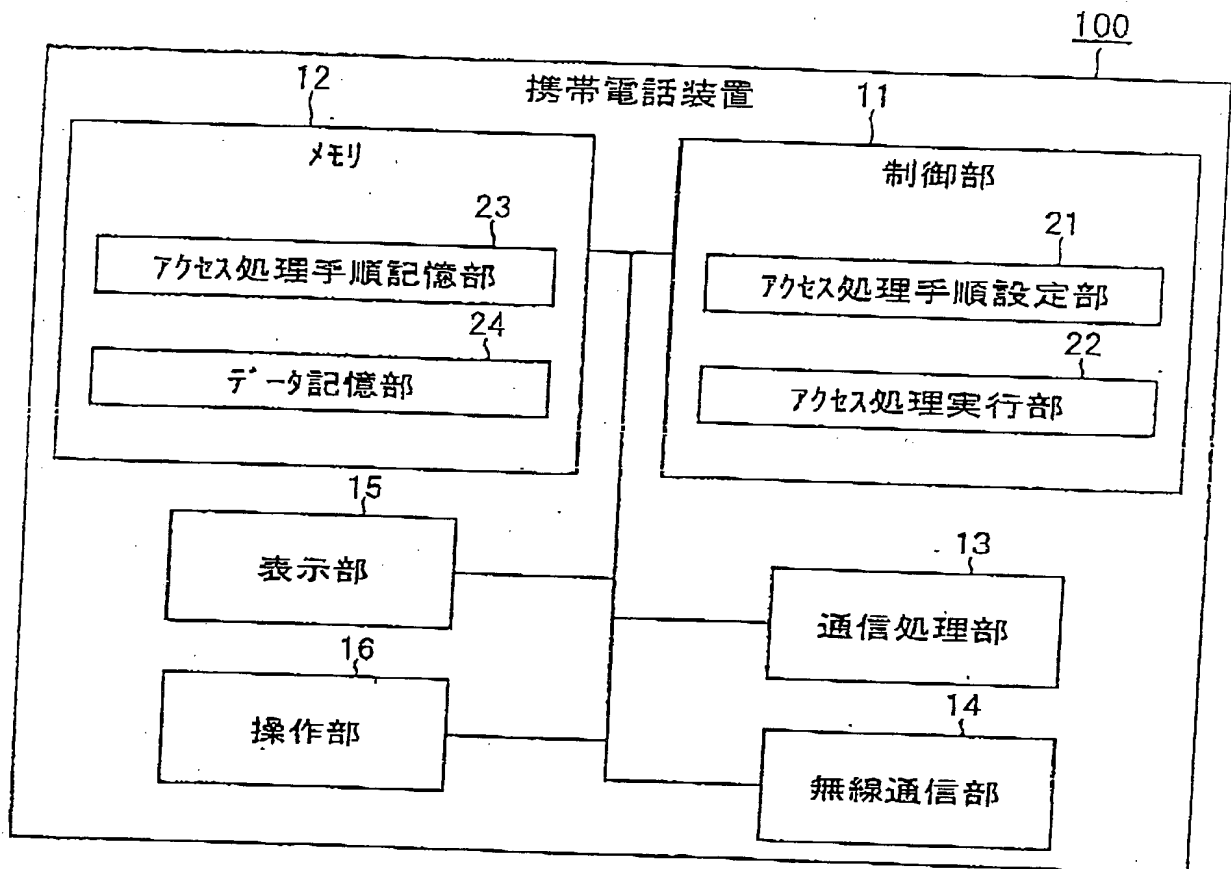
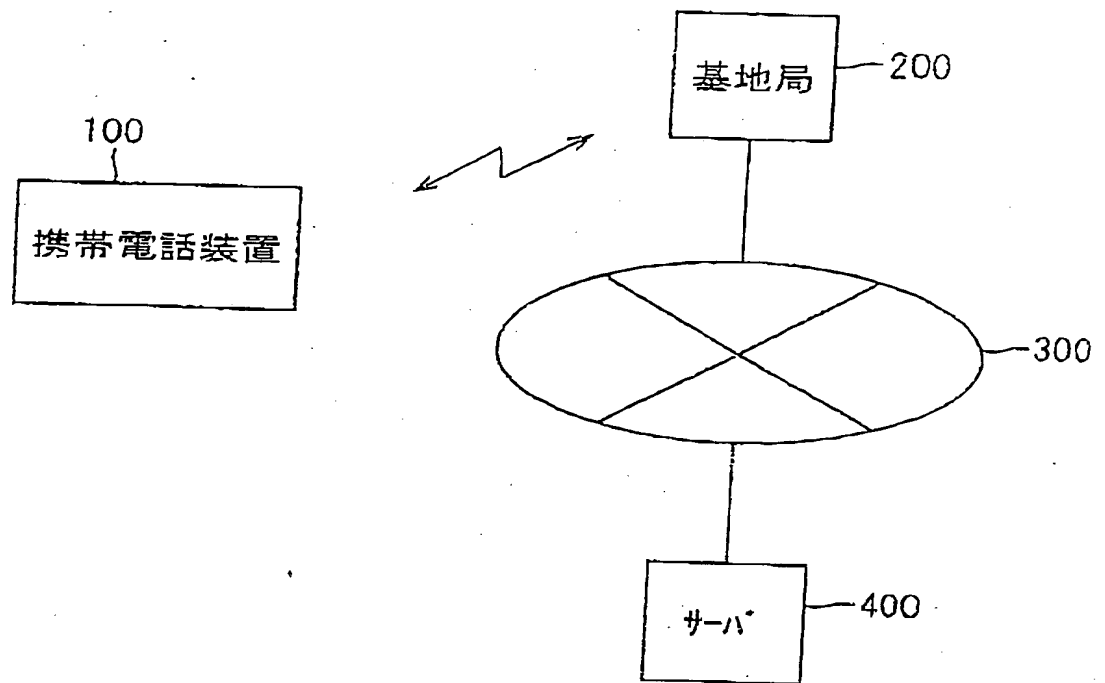


Fig. 1



- 100 PORTABLE TELEPHONE APPARATUS
- 12 MEMORY
- 23 ACCESSING PROCESS SEQUENCE STORAGE UNIT
- 24 DATA STORAGE UNIT
- 15 DISPLAY UNIT
- 16 OPERATION UNIT
- 11 CONTROL UNIT
- 21 ACCESS PROCESS SEQUENCE SETTING UNIT
- 22 ACCESS PROCESS EXECUTING UNIT
- 13 COMMUNICATION PROCESSING UNIT
- 14 WIRELESS COMMUNICATION UNIT

Fig. 2

~~図 2~~

- 100 PORTABLE TELEPHONE APPARATUS
- 200 BASE STATION
- 400 SERVER

Fig. 3

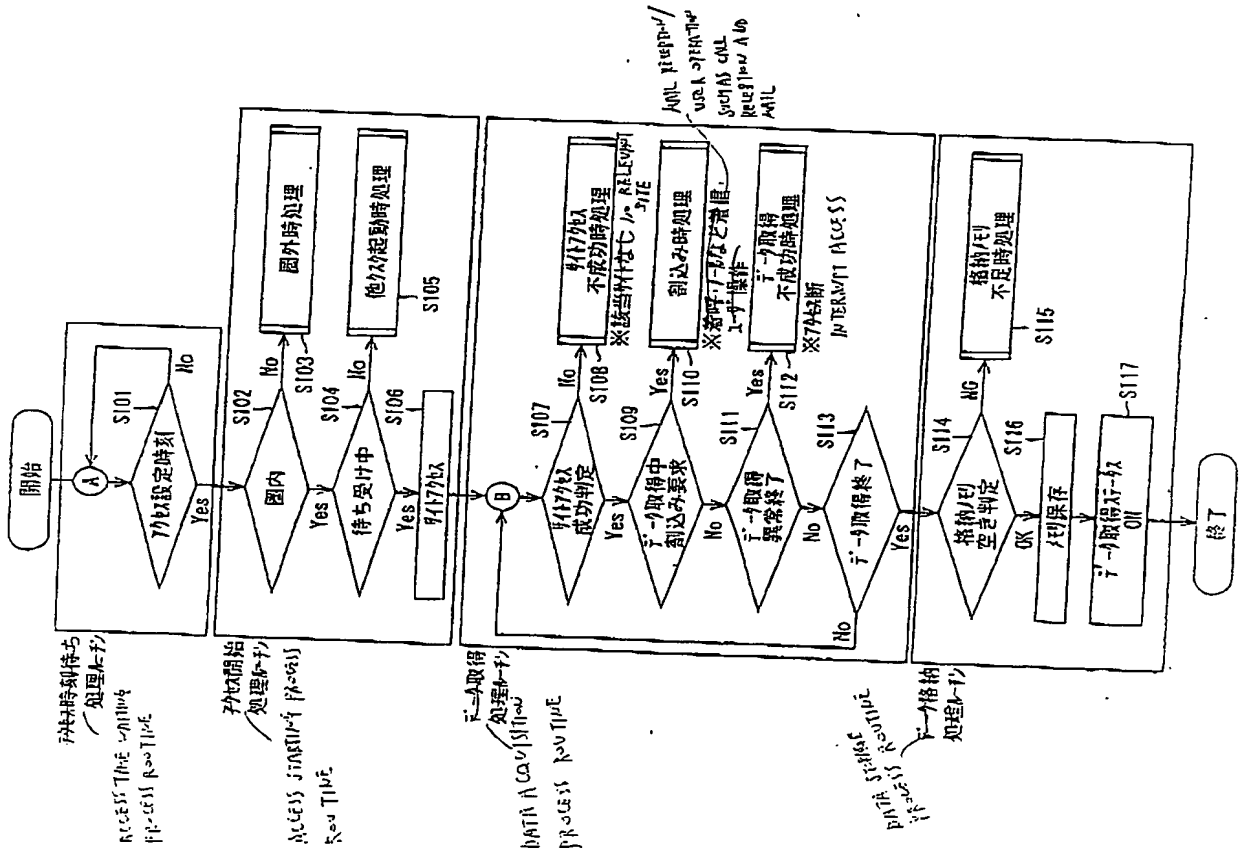


FIG. 3

START

S101 ACCESS SETTING TIME INSTANT?

S102 PORTABLE TELEPHONE APPARATUS IS LOCATED INSIDE SERVICE AREA?

S103 EXECUTE PROCESS OPERATION DURING OUT OF SERVICE AREA UNDER WAITING STATUS?

S104 EXECUTE PROCESS OPERATION DURING ANOTHER TASK INITIATION

S105 ACCESS TO SITE

S106 JUDGE WHETHER OR NOT SITE ACCESS OPERATION CAN SUCCEED?

S107 EXECUTE PROCESS OPERATION DURING SITE ACCESS FAILURE

S108 INTERRUPT REQUEST IS ISSUED DURING DATA ACQUISITION?

S109 EXECUTE PROCESS OPERATION DURING INTERRUPT REQUEST

S110 DATA ACQUISITION IS ENDED UNDER ABNORMAL CONDITION?

S111 EXECUTE PROCESS OPERATION DURING DATA ACQUISITION FAILURE

S112 DATA ACQUISITION IS ENDED?

S113 JUDGE WHETHER OR NOT STORAGE CAPACITY OF MEMORY IS EMPTY?

S114 EXECUTE PROCESS OPERATION DURING STORAGE MEMORY CAPACITY SHORTAGE

S115 STORE ACQUIRED DATA INTO MEMORY

S116 TURN ON DATA ACQUISITION STATUS

END

Fig. 4

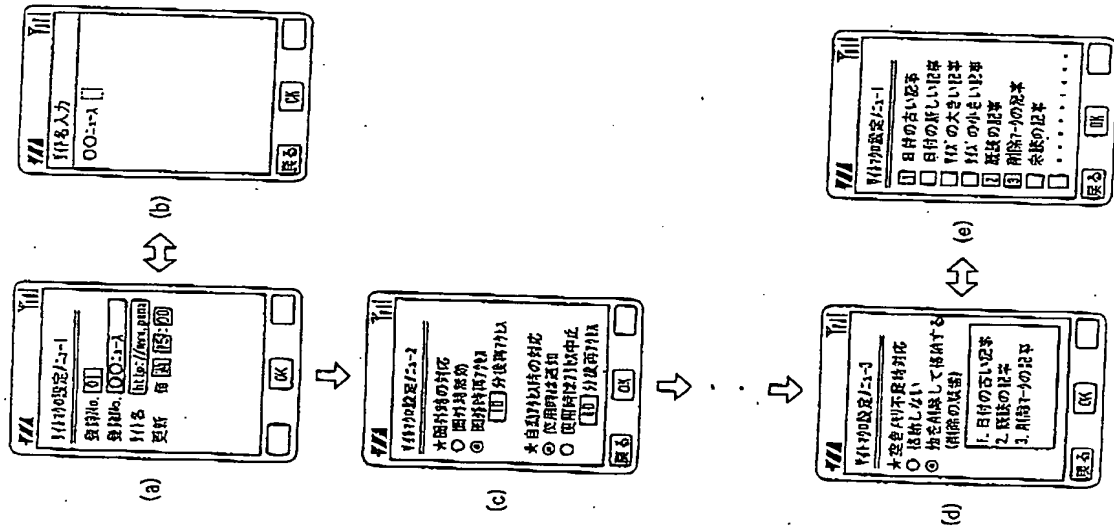


FIG. 4(a)

SITE MACRO SETTING MENU 1  
REGISTRATION NO.  
SITE NAME  
UPDATE, EVERY WEEK

FIG. 4(b)

ENTER SITE NAME  
OO-1-1  
RETURN

FIG. 4(c)

SITE MACRO SETTING MENU 2  
CORRESPONDENCE OF OPERATIONS DURING OUT OF SERVICE  
AREA

INVALIDATE DURING OUT OF SERVICE AREA  
RE-ACCESS DURING OUT OF SERVICE AREA  
RE-ACCESS AFTER 10 MINUTES  
CORRESPONDENCE OF OPERATIONS DURING AUTOMATIC  
ACCESSING OPERATION  
NOTIFY WHEN USED  
CEASE ACCESS WHEN USED  
RE-ACCESS AFTER 10 MINUTES  
RETURN

FIG. 4(d)

SITE MACRO SETTING MENU 3  
CORRESPONDENCE OF OPERATIONS DURING EMPTY MEMORY  
SHORTAGE  
NOT STORED

OTHER DATA ARE DELETED SO AS TO STORE ACQUIRED DATA  
SEQUENCE OF DELETION  
ARTICLE HAVING OLD DATE  
ALREADY READ ARTICLE  
ARTICLE WITH DELETION MARK  
RETURN

FIG. 4(e)

SITE MACRO SETTING MENU 1  
ARTICLE HAVING OLD DATE  
ARTICLE HAVING NEW DATE  
ARTICLE HAVING LARGE SIZE  
ARTICLE HAVING SMALL SIZE  
ALREADY READ ARTICLE  
ARTICLE WITH DELETION MARK  
UNREAD ARTICLE  
RETURN

図 5 Fig. 5

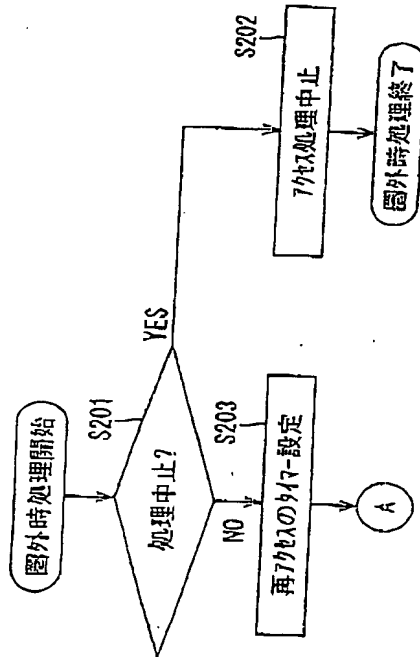


FIG. 5

START PROCESS OPERATION DURING OUT OF SERVICE  
 S201 PROCESS OPERATION IS CEASED?  
 S202 CEASE ACCESS PROCESS OPERATION  
 S203 SET TIMER FOR RE-ACCESSING OPERATION  
 END PROCESS OPERATION DURING OUT OF SERVICE

FIG. 6

START PROCESS OPERATION DURING ANOTHER TASK INITIATION  
 S301 NOTIFICATION IS DISPLAYED?  
 S302 DISPLAY NOTIFICATION  
 S303 ANOTHER TASK IS ENDED?  
 S304 EXECUTE SITE ACCESS OPERATION  
 S305 SET TIMER FOR RE-ACCESSING OPERATION

図 6 Fig. 6

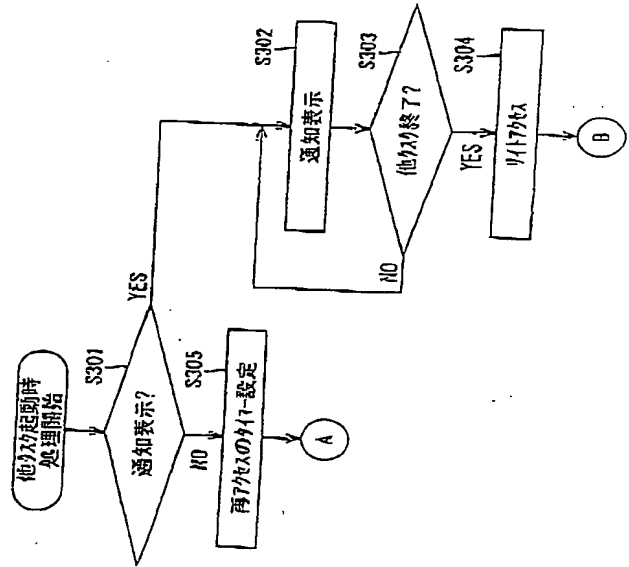


Fig. 7

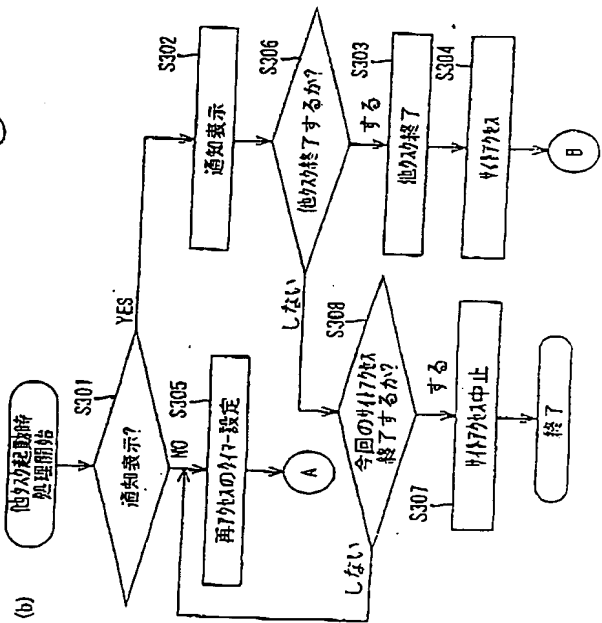
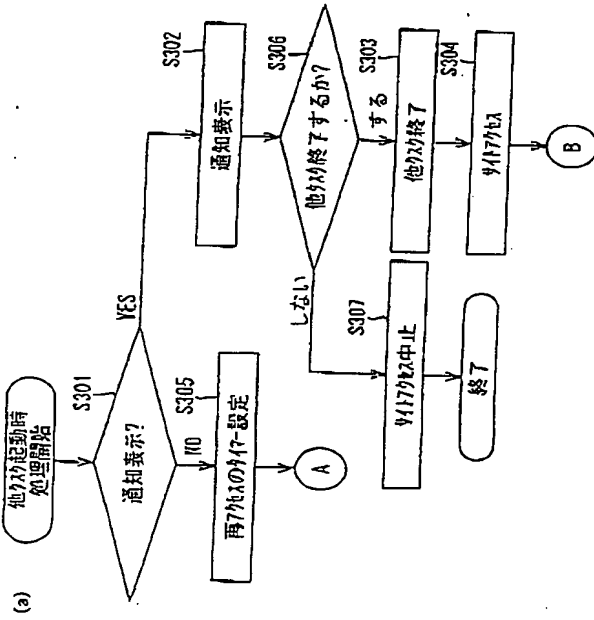


FIG. 7(a)

START PROCESS OPERATION DURING ANOTHER TASK INITIATION

S301 NOTIFICATION IS DISPLAYED?

S302 DISPLAY NOTIFICATION

S303 END ANOTHER TASK

S304 EXECUTE SITE ACCESS

S305 SET TIMER FOR RE-ACCESSING OPERATION

S306 ANOTHER TASK IS ENDED?

S307 CEASE SITE ACCESS

END

FIG. 7(B)

START PROCESS OPERATION DURING ANOTHER TASK INITIATION

S301 NOTIFICATION IS DISPLAYED?

S302 DISPLAY NOTIFICATION

S303 END ANOTHER TASK

S304 EXECUTE SITE ACCESS

S305 SET TIMER FOR RE-ACCESSING OPERATION

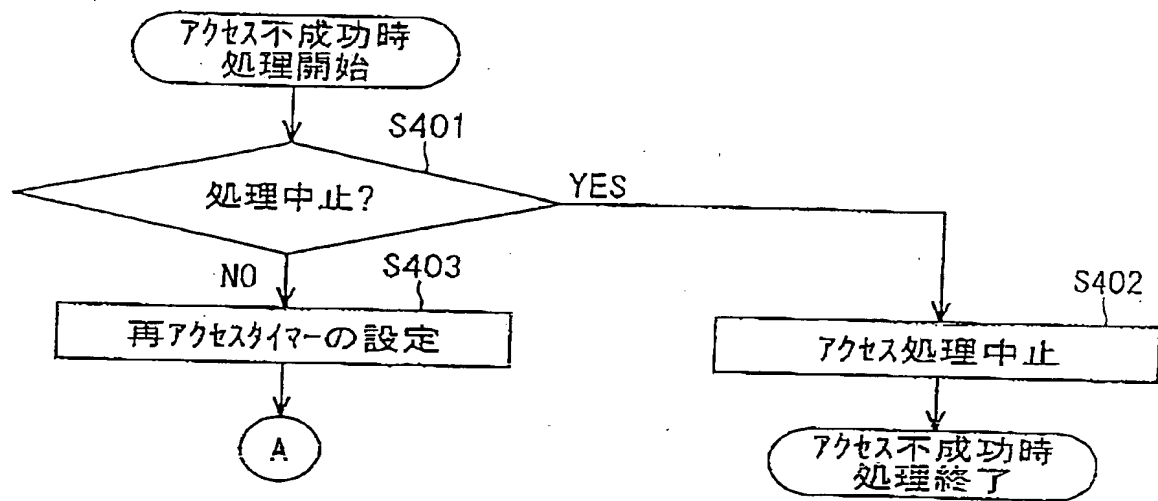
S306 ANOTHER TASK IS ENDED?

S307 CEASE SITE ACCESS

S308 PRESENT SITE ACCESS IS ENDED?

END

図8 Fig. 8



START PROCESS OPERATION DURING ACCESS FAILURE

S401 PROCESS IS CEASED?

S402 CEASE ACCESS PROCESS

S403 SET RE-ACCESS TIMER

END PROCESS OPERATION DURING ACCESS FAILURE

Fig. 9

FIG. 9

START PROCESS OPERATION DURING INTERRUPTION

S501 TELEPHONE CALL IS RECEIVED?

S502 DISPLAY CALL RECEPTION NOTIFICATION

S503 DATA ACQUISITION IS INTERRUPTED?

S504 NOTIFY CALL RECEPTION REFUSAL

S505 MAIL IS RECEIVED?

S506 DISPLAY MAIL RECEPTION NOTIFICATION

S507 DATA ACQUISITION IS INTERRUPTED?

S508 NOT EXECUTE MAIL RECEPTION

S509 DISPLAY "UNDER DATAACQUISITION"

S510 DATAACQUISITION IS INTERRUPTED?

S511 CEASE USER OPERATION ETC.

S512 INTERRUPT DATAACQUISITION

S513 SET TIMER FOR RE-ACCESSING OPERATION

TO STEP S111

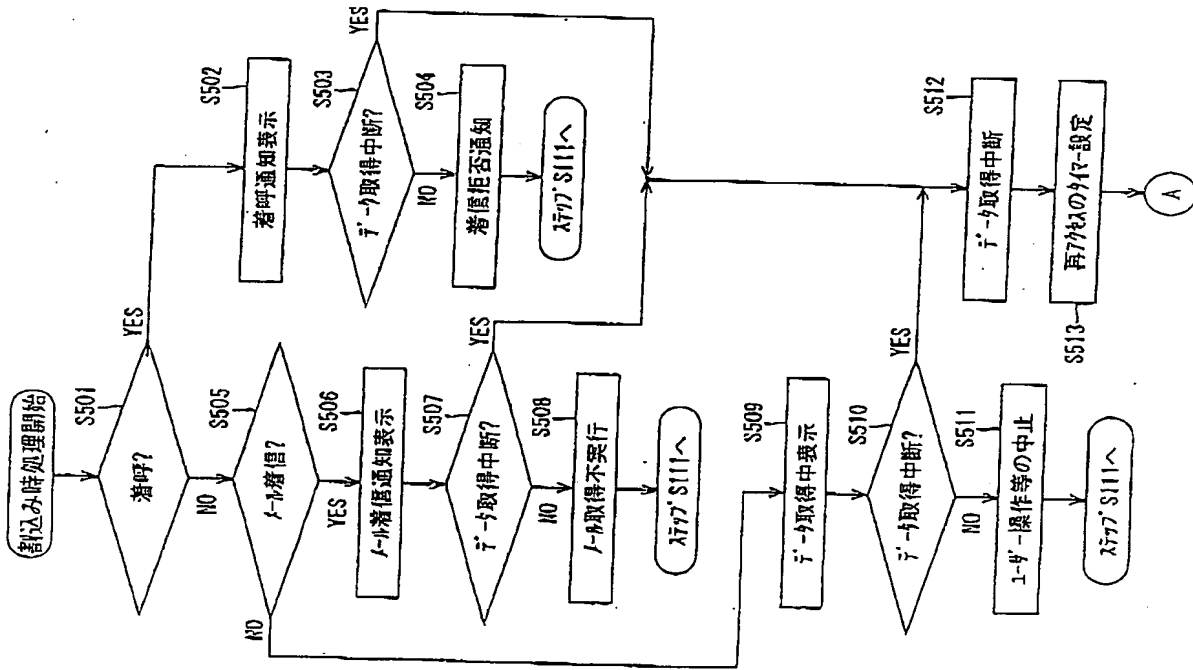




Fig. 10

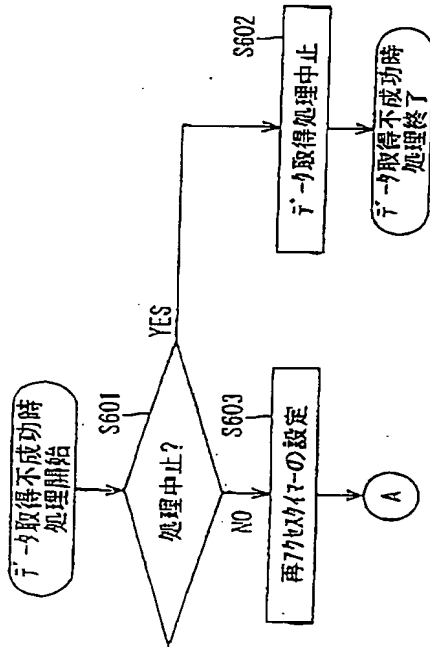


FIG. 10

START PROCESS OPERATION DURING DATA ACQUISITION FAILURE  
 S601 PROCESS OPERATION IS CEASED?  
 S602 CEASE DATA ACQUISITION PROCESS OPERATION  
 S603 SET RE-ACCESS TIMER  
 END PROCESS OPERATION DURING DATA ACQUISITION FAILURE

Fig. 11

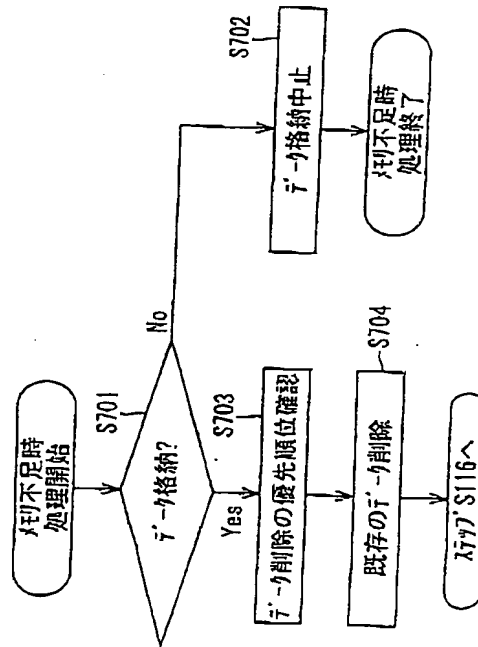
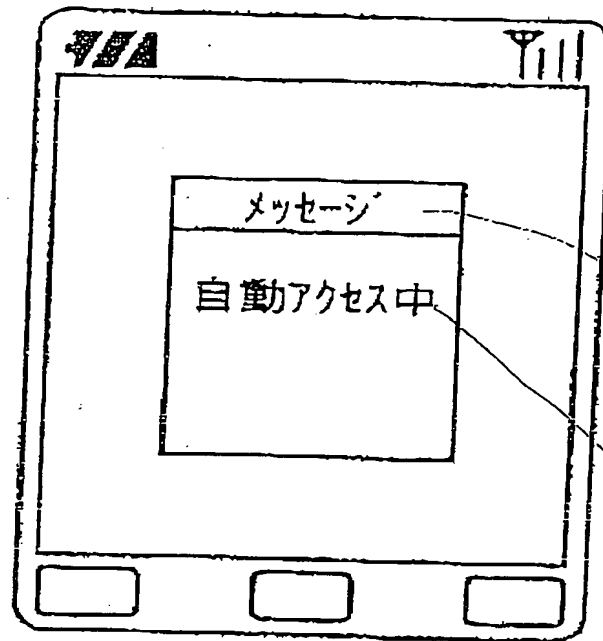


FIG. 11

START PROCESS OPERATION DURING MEMORY CAPACITY SHORTAGE  
 S701 DATA IS STORED?  
 S702 CEASE DATA STORAGE  
 S703 CONFIRM PRIORITY ORDER AS TO DATA DELETION  
 S704 DELETE EXISTING DATA  
 END PROCESS OPERATION DURING MEMORY CAPACITY SHORTAGE  
 TO STEP S116

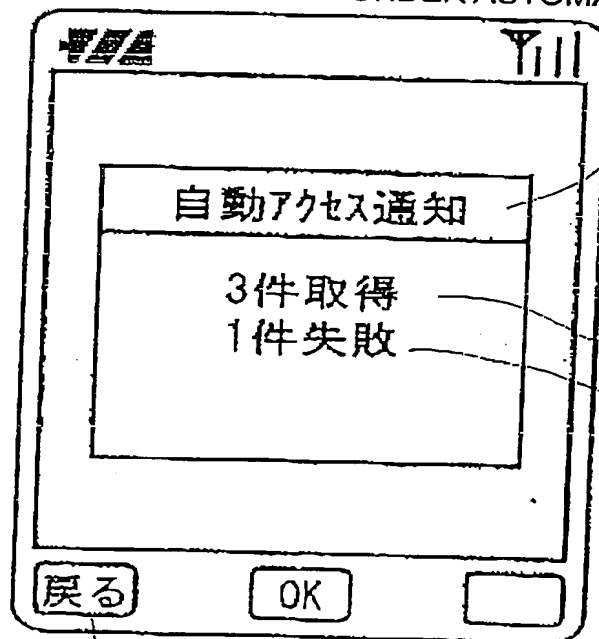
Fig. 12  
12



MESSAGE

UNDER AUTOMATIC ACCESS OPERATION

Fig. 13  
13



NOTIFY AUTOMATIC  
ACCESS OPERATION

3 ITEMS ARE ACQUIRED

1 ITEM FAILED

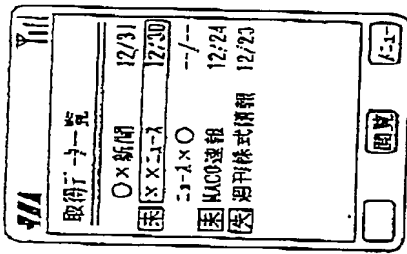
RETURN

FIG. 14(a)

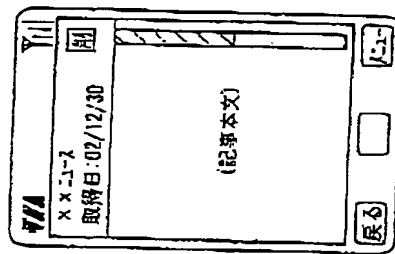
ACQUIRED DATA LIST  
 ○× NEWSPAPER  
 "NOT YET", ×× NEWS  
 NEWS ×○  
 "NOT YET", MACO RUSH NEWS  
 "FAIL", WEEKLY STOCK INFORMATION  
 VIEW MENU

FIG. 14(b)

×× NEWS  
 ACQUISITION DATE  
 DELETE  
 MAIN BODY OF ARTICLE  
 RETURN  
 MENU



(a)



(b)

Fig. 14

Fig. 15

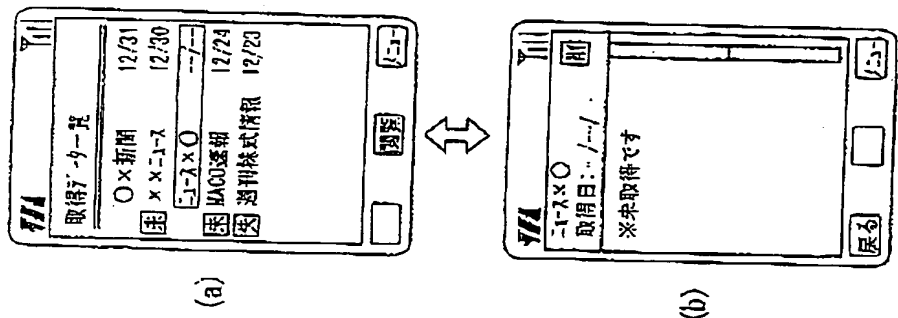


FIG. 15(a)

ACQUIRED DATA LIST

o x NEWSPAPER

"NOT YET", x x NEWS

NEWS x o

"NOT YET", MACO RUSH NEWS

"FAIL", WEEKLY STOCK INFORMATION

VIEW

MENU

FIG. 15(b)

x x NEWS

ACQUISITION DATE

DELETE

NOT YET ACQUIRED

RETURN

MENU

Fig. 16

FIG. 16(a)

ACQUIRED DATA LIST  
OX NEWSPAPER  
"NOT YET", \*\* NEWS  
NEWS x0  
"NOT YET", MACO RUSH NEWS  
"FAIL", WEEKLY STOCK INFORMATION  
VIEW  
MENU

FIG. 16(b)

WEEKLY STOCK INFORMATION  
ACQUISITION DATE  
ACQUISITION WAS INTERRUPTED  
RETURN  
MENU

